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Fig. 11-2

401	CTCCTACTGGAACGCACTTCTGTGAGGTTGAACAGATAAGGAATGGACCT	450
401	CTCCTACTGGAACGCACTTCTGTGAGGTTGAACAGATAAGGAATGGACCT	450
451	CCAGTCATTCTGGAATCAAAGACCTAAAAGTCTTGAAAACAACCCA	500
451	CCAGTCATTCTGGAATCAAAGACCTAAAAGTCTTGAAAACAACCCA	500
501	GTCTGGCTTTGAAGGATTCATCAAGGACCAGTTCACCACCCTCCCT	550
501	ĠŤĊŤĠĠĊŤŦĠĂĂĠĠĂŤŦĊĂŤĊĂAĠĠACCĂĠŦŦCACCACCCTCCCŦĠAĠĠ	550
	TGAAGGACCGGTGCTTTGCCACCCAAGTGTACTGCAAATGGCGCTACCAC	600
551 601	TĠAAĠĠAĊĊĠĠŦĠĊŤŤŤĠĊĊAĊĊĊAAĠŤĠŤĀĊŤĠCAAATGGCGCTACCAC CAGGGCAGAGATGTGGACTTTGAGGCCACCTGGGACACTGTTAGGAGCAT	650
601	CAGGGCAGAGATGTGGACTTTGAGGCCACCTGGGACACTGTTAGGAGCAT 	650
651	TGTCCTGCAGAAATTTGCTGGGCCCTATGACAAAGGCGAGTACTCGCCCT	700
651	TGTCCTGCAGAAATTTGCTGGGCCCTATGACAAAGGCGAGTACTCGCCCT	700
701	CTGTCCAGAAGACACTCTATGACATCCAGGTGCTCACCCTGGGCCAGGTT	750
701	CTGTCCAGAAGACACTCTATGACATCCAGGTGCTCACCCTGGGCCAGGTT	750
751	CCTGAGATAGAAGATATGGAAATCAGCCTGCCAAATATTCACTACTTAAA	800
751		800
	CATAGACATGTCCAAAATGGGACTGATCAACAAGGAAGAGGTCTTGCTAC	850
	CATAGACATGTCCAAAATGGGACTGATCAACAAGGAAGAGGTCTTGCTAC	850
851	CTTTAGACAATCCATATGGAAAAATTACTGGTACAGTCAAGAGGAAGTTG	900
851	CTTTAGACAATCCATATGGCAGGATTACTGGTACAGTCAAGAGGAAGCTG TCTTCAAGACTGTGA 915	900

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Fig. 12-1

Bestfit (GCG software) comparison of coding sequences of the cDNAs of Pig KS uricase ("PKS") vs. baboon uricase

"Pig KS" uricase:

Pig cDNA from 1 to 864 (NdeI site) and then Baboon 865 to 915 (end)

Gap Weight: 50 Average Match: 10.000 Length Weight: 3 Average Mismatch: -9.000

Quality: 7573 Length: 915
Ratio: 8.277 Gaps: 0
Percent Similarity: 90.929 Percent Identity: 90.929

Match display thresholds for the alignment(s):

= IDENTITY

: = 5 . = 1

pigKS.seq x baboon.seq July 25, 1998 10:21 ...

PKS	1	ATGGCTCATTACCGTAATGACTACAAAAAGAATGATGAGGTAGAGTTTGT	50
bab	1	ATGGCCGACTACCATAACAACTATAAAAAGAATGATGAATTGGAGTTTGT	50
	51	CCGAACTGGCTATGGGAAGGATATGATAAAAGTTCTCCATATTCAGCGAG	100
	51	CCGAACTGGCTATGGGAAGGATATGGTAAAAGTTCTCCATATTCAGCGAG	100
	101	ATGGAAAATATCACAGCATTAAAGAGGTGGCAACTTCAGTGCAACTGACT	150
	101	ATGGAAAATATCACAGCATTAAAGAGGTGGCAACTTCAGTGCAACTTACT	150
	151	TTGAGCTCCAAAAAAGATTACCTGCATGGAGACAATTCAGATGTCATCCC	200
	151	CTGAGTTCCAAAAAAGATTACCTGCATGGAGATAATTCAGATATCATCCC	200
	201	TACAGACACCATCAAGAACACAGTTAATGTCCTGGCGAAGTTCAAAGGCA	250
	201	TACAGACACCATCAAGAACACAGTTCATGTCTTGGCAAAGTTTAAGGGAA	250
	251	TCAAAAGCATAGAAACTTTTGCTGTGACTATCTGTGAGCATTTCCTTTCT	300
	251	TCAAAAGCATAGAAGCCTTTGGTGTGAATATTTGTGAGTATTTTCTTTC	300
	301	the distribution of the contract of the contra	350
	301	TCTTTTAACCATGTAATCCGAGCTCAAGTCTACGTGGAAGAAATCCCTTG	350
	351	GAAGCGTTTTGAAAAGAATGGAGTTAAGCATGTCCATGCATTTATTT	400
	351	GAAGCGTCTTGAAAAGAATGGAGTTAAGCATGTCCATGCATTTATTCACA	400

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Fig. 12-2

401	CTCCTACTGGAACGCACTTCTGTGAGGTTGAACAGATAAGGAATGGACCT	450
401	CTCCCACTGGAACACACTTCTGTGAAGTTGAACAACTGAGAAGTGGACCC	450
451	CCAGTCATTCTGGAATCAAAGACCTAAAAGTCTTGAAAACAACCCA	500
451	CCCGTCATTCTGGAATCAAAGACCTCAAGGTCTTGAAAACAACACA	500
501	GTCTGGCTTTGAAGGATTCATCAAGGACCAGTTCACCACCCTCCCT	550
501	GTCTGGATTTGAAGGTTTCATCAAGGACCAGTTCACCACCCTCCCT	550
551	TGAAGGACCGGTGCTTTGCCACCCAAGTGTACTGCAAATGGCGCTACCAC	600
551	TGAAGGACCGATGCTTTGCCACCCAAGTGTACTGCAAGTGGCGCTACCAC	600
601	CAGGGCAGAGATGTGGACTTTGAGGCCACCTGGGACACTGTTAGGAGCAT	650
601	CAGTGCAGGGATGTGGACTTCGAGGCTACCTGGGGCACCATTCGGGACCT	650
651	TGTCCTGCAGAAATTTGCTGGGCCCTATGACAAAGGCGAGTACTCGCCCT	700
651	ŤĠŤĊĊŤĠĠĂĠĂĂĂŤŤĠĊŤĠĠĠĊĊĊŤĂŤĠĂĊĂĂĂĠĠĊĠĂĠŤĂĊŤĊĂĊĊĊŤ	700
	CTGTCCAGAAGACACTCTATGACATCCAGGTGCTCACCCTGGGCCAGGTT	750
	ĊŤĠŤĠĊĀĠĀĀĠĀĊĊĊŤĊŤĀŤĠĀŤĀŤĊĊĀĠĠŤĠĊŤĊŤĊĊĊŤĠĀĠĊĊĠĀĠŤŤ	750
	CCTGAGATAGAAGATATGGAAATCAGCCTGCCAAATATTCACTACTTAAA	800
	CCTGAGATAGAAGATATGGAAATCAGCCTGCCAAACATTCACTACTTCAA	800
	CATAGACATGTCCAAAATGGGACTGATCAACAAGGAAGAGGTCTTGCTAC	850
	TÄTÄĠĀĊĀTĠŤĊĊĀĀĀĀŤĠĠĠŤĊŤĠĀŤĊĀĀĊĀĀĠĠĀĀGAĢGŦĊŤŤĠĊŤĠĊ	850
	CTTTAGACAATCCATATGGAAAAATTACTGGTACAGTCAAGAGGAAGTTG	900
	•	900
	TCTTCAAGACTGTGA 915 TCTTCAAGACTGTGA 915	
9 U I	ICTICAAGACTGTGA 915	